## **EAST Search History**

## EAST Search History (Prior Art)

| Ref# | Hits | Search Query   | DBs   | Default<br>Operator    | Plurals | Time Stamp          |
|------|------|--|---|------------------------|---------|---------------------|
| L1   | 1431 | 427/585.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2011/06/17<br>13:21 |
| L2   | 1    | 427/585.ccls. and (atomic<br>force microscope or AFM<br>or SPM or tip) and<br>electromagnetic with<br>"near" field   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2011/06/17<br>13:22 |
| L3   | 2    | 427/585.ccls. and (atomic<br>force microscope or AFM<br>or SPM or tip) and<br>plasmon  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ ON                 |         | 2011/06/17<br>13:24 |
| L4   | 153  | 427/585.ccls. and (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2011/06/17<br>13:25 |
| L5   | 29   | 427/585.cds. and (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) and<br>(atomic force microscope<br>or AFM or SPM or tip)      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2011/06/17<br>13:26 |
| L6   | 2    | 427/585.ccls. and (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) and<br>(atomic force microscope<br>or AFM or SPM or tip).ab. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2011/06/17<br>13:26 |
| S1   | 1    | ("7315367").PN.  | USPAT; USOCR  | OR OFF                 |         | 2009/12/09<br>12:45 |
| S2   | 4    | ("20050046832"  <br>"6313905").PN.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ; FPRS;<br>PO;<br>ENT; |         | 2009/12/09<br>12:46 |
| S3   | 4    | ("4550257"   "4550257"  <br>"5294465"   "5294465").<br>PN.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                    | ON      | 2009/12/09<br>13:52 |

| S4  | 4426  | 427/248.1.cals.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 12009/12/09<br>14:55 |
|-----|-------|--|---|-----|----|----------------------|
| S5  | 605   | 427/582-584.ccls.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>14:57  |
| S6  | 44957 | (AFM or STM or atomic<br>force microscop\$2 or<br>scanning tunneling or SFM<br>or scanning force<br>microscop\$2)                                      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>14:59  |
| S7  | 5     | (55 and 56   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>14:59  |
| S8  | 117   | S4 and S6  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>15:41  |
| S9  | 153   | (AFM or STM or atomic<br>force microscop\$2 or<br>scanning tunneling or SFM<br>or scanning force<br>microscop\$2) with (vapor<br>or vapour) deposition | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>15:42  |
| S10 | 117   | S4 and S8  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>15:42  |
| S11 | 59141 | (AFM or STM or atomic<br>force microscop\$2 or<br>scanning tunneling or SFM<br>or scanning force<br>microscop\$2 or probe tip)                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>17:43  |
| S12 | 605   | 427/582-584.cds.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/09<br>17:44  |
| S13 | 7     | S12 and S11  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | ADJ | ON | 2009/12/09<br>17:44  |

| S14 | 4       | FOLANT   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                             | ON  | 2009/12/09<br>17:45 |
|-----|---------|--|---|---------------------------------|-----|---------------------|
| S15 | 2       | ("2002/0105641").URPN.   | USPAT   | ADJ                             | ON  | 2009/12/09<br>17:46 |
| S16 | 16      | ("4343993"   "4539089"  <br>"4550257"   "4605566").<br>PN. OR ("5294465").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ ON                          |     | 2009/12/09<br>17:47 |
| S17 | 18      | hybrid with afm with stm   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ                             | ON  | 2009/12/09<br>17:53 |
| S18 | 15      | metallized with AFM with probe   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ                             | ON  | 2009/12/09<br>17:54 |
| S19 | 1       | ("4539089").PN.  | USPAT; USOCR  | OR                              | OFF | 2009/12/10<br>11:20 |
| S20 | 1544892 | (AFM or STM or atomic<br>force microscop\$2 or<br>scanning tunneling or SFM<br>or scanning force<br>microscop\$2 or probe or<br>tip) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | FPRS;<br>PO;<br>ENT;            |     | 2009/12/10<br>11:27 |
| S21 | 0       | focus\$3 with nearfield<br>with tip  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                             | ON  | 2009/12/10<br>11:41 |
| S22 | 1066    | focus\$3 with laser with tip   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                             | ON  | 2009/12/10<br>11:41 |
| S23 | 1066    | focus\$3 with tip with laser   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                             | ON  | 2009/12/10<br>11:42 |
| S24 | 2967    | focus\$3 same tip same<br>laser  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | PAT; FPRS;<br>D; JPO;<br>RWENT; |     | 2009/12/10<br>11:42 |
| S25 | 269     | focus\$3 same tip same<br>laser and (cvd or vapor<br>deposition or vapour<br>deposition)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                             | ON  | 2009/12/10<br>11:43 |
| S26 | 15      | focus\$3 same tip same<br>laser same (cvd or vapor<br>deposition or vapour<br>deposition)  |   |                                 | ON  | 2009/12/10<br>11:43 |

| S27 | 89  | multiple with tip with afm  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/10<br>14:09  |
|-----|-----|---|---|-----|----|----------------------|
| S28 | 0   | parallel process\$3 with tip<br>with afm  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 12009/12/10<br>14:14 |
| S29 | O   | parallel process\$3 with afm  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/10<br>14:15  |
| S30 | 562 | parallel with afm   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/10<br>14:15  |
| S31 | 30  | parallel with afm and<br>multiple tip   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/10<br>14:15  |
| S32 | 266 | (AFM or atomic force<br>microscop\$2) with (probe<br>or tip) and (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/16<br>10:18  |
| S33 | 8   | (AFM or atomic force<br>microscop\$2) with (probe<br>or tip) with (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/16<br>10:18  |
| S34 | 101 | (AFM or atomic force<br>microscop\$2) with (probe<br>or tip) with (CVD or<br>chemical vapor deposition)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/16<br>10:19  |
| S35 | 86  | ((AFM or atomic force<br>microscop\$2) and (CVD or<br>chemical vapor<br>deposition)).ab.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/16<br>10:22  |
| S36 | 88  | ((AFM or atomic force<br>microscop\$2 or SFM or<br>scanning force microscop<br>\$2) and (CVD or chemical<br>vapor deposition)).ab.                              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/16           |

| S37 | 10  | microscop\$2 or SFM or<br>scanning force microscop<br>\$2) with (CVD or chemical                                |   | ADJ | ON  | 2009/12/16<br>10:31 |
|-----|-----|---|---|-----|-----|---------------------|
| S39 | 2   | 977/849.ccls. and (CVD or<br>chemical vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) |   | ADJ | ON  | 2009/12/16<br>10:47 |
| S40 | 2   | (("4550257") or<br>("5294465")).PN.   | USPAT; USOCR  | OR  | OFF | 2011/04/13<br>10:34 |
| S41 | 164 | 977/849.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2011/04/13<br>12:01 |

## EAST Search History (Interference)

| Ref# | Hits | Search Query   | DBs         | Default Operator | Plurais | Time Stamp       |
|------|------|--|-------------|------------------|---------|------------------|
| L7   | 140  | (CVD or vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) and<br>(atomic force microscope<br>or AFM or SPM or tip).ab.               | USPAT; UPAD | ADJ              | ON      | 2011/06/17 13:30 |
| L8   | 0    | (CVD or vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) with<br>(atomic force microscope<br>or AFM or SPM or tip).ab.              | USPAT; UPAD | ADJ              | ON      | 2011/06/17 13:31 |
| L9   | 34   | (CVD or vapor deposition)<br>with (light or radiat\$3 or<br>irradiat\$3 or laser) with<br>(atomic force microscope<br>or AFM or SPM or tip)                  | USPAT; UPAD | ADJ              | ON      | 2011/06/17 13:31 |
| L10  | 15   | (CVD or vapor deposition) with (light or radiat\$3 or irradiat\$3 or laser).clm. and (atomic force microscope or AFM or SPM or tip).clm.                     | USPAT; UPAD | ADJ              | ON      | 2011/06/17 13:34 |
| L11  | 79   | (CVD or vapor deposition).<br>clm. and (light or radiat\$3<br>or irradiat\$3 or laser).clm.<br>and (atomic force<br>microscope or AFM or SPM<br>or tip).clm. | USPAT; UPAD | ADJ              | ON      | 2011/06/17 13:36 |

| L12 | 64 | (CVD or vapor deposition).    | USPAT; UPAD | ADJ | ON | 2011/06/17 13:36 |
|-----|----|-------------------------------|-------------|-----|----|------------------|
|     |    | clm. and (light or radiat\$3  |             |     |    |                  |
|     |    | or irradiat\$3 or laser).clm. |             |     |    |                  |
|     |    | and (atomic force             |             |     |    |                  |
|     |    | microscope or AFM or SPM      |             |     |    |                  |
|     |    | or tip).clm. not I10          |             |     |    |                  |

## 6/17/2011 1:38:51 PM

C:\ Documents and Settings\ jhorning\ My Documents\ EAST\ Workspaces\ 10595434.wsp